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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/824,933	04/03/2001	Ming-Ren Lin	F0556	1551	
45305	7590 09/07/2	04	EXAMINER		
	TTO, BOISSELI	NGUYEN,	NGUYEN, KHIEM D		
1621 EUCLID AVE - 19TH FLOOR CLEVELAND, OH 44115-2191			ART UNIT	PAPER NUMBER	
CEE VEET IN	, 011 11110 219		2823		

DATE MAILED: 09/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner Examiner Art Unit Kikim D Nguyen ART Unit Art Unit Art Unit Kikim D Nguyen ART Unit Art Unit Art Unit Kikim D Nguyen ART Unit Art Unit Kikim D Nguyen ART Unit Art Unit Art Unit Kikim D Nguyen ART Unit Art Unit Kikim D Nguyen ART Unit Kikim D Nguyen ART Unit Art Unit Kikim D Nguyen ART Unit Kikim D Kikim D Kikim ART Unit Kikim D Nguyen ART Unit ART Unit Kikim D Nguyen Kikim D Nguyen Kikim D Nguyen Kikim D Nguyen Ki	3 " 1 1 (1)	0						
Examiner Kitism D Nguyen 2823 323	•		Application No.	Applicant(s)	Applicant(s)			
Nation Diguyen 2823 Period for Reply			09/824,933	LIN, MING-REN				
The MALLING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Edatablists of term may be evaluate useful to provide and of 37 CFR 1.13(d), b. no event, however, may a reply be timely filed of the Experiment of 13 CFR 1.13(d), b. no event, however, may a reply be timely filed of the Experiment of 13 CFR 1.13(d), b. no event, however, may a reply be timely filed of the Experiment of 13 CFR 1.13(d), b. no event, however, may a reply be timely filed of the Experiment of 13 CFR 1.13(d), b. no event, however, may a reply be timely filed of the Experiment of 13 CFR 1.13(d), b. no event, however, may a reply be timely filed of the Experiment of 13 CFR 1.13(d), b. 14 CFR 1.13(d),	Office Action Summary		Examiner	Art Unit				
Period for Reply A SHORTENEO STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. after SX (6) MONTHS from the mailing date of this communication. If the period for reply self-index is less than birty (3) days, a reply within the statutory minimum of birty (30) days will be considered timely. If NO period for reply self-index is less than birty (3) days, a reply within the statutory minimum of birty (30) days will be considered timely. If NO period for reply self-index is less than the member date of the statutory minimum of birty (30) days will be considered timely. If NO period for reply self-index is less than the member date the reply within the statutory minimum of birty (30) days will be considered timely. If NO period for reply self-index is less than three members date the member of the self-index is the statutory minimum of birty (30) days will be considered timely. If NO period for reply self-index is self-index in the reply will be statutory minimum of birty (30) days will be considered timely. Any reply recited by the Office to the three members are self-index in the mailing date of this communication, and if the self-index in the mailing date of this communication, and it is considered to reply the date of the communication, and it is considered any self-index in the mailing date of this communication. Status 1) ☐ Responsive to communication(s) filled on 24 May 2004. 2a) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex partie Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 1.15 and 21-25 is/are pending in the application. 4) ☐ Claim(s) 1.25.9.9.11-15 and 21-24 is/are allowed. 6) ☐ Claim(s) 1.25.9.9.11-15 and 21-24 is/are allowed. 7) ☐ Claim(s) 2.4.10 and 25 is/are objected to. 8) ☐ Claim(s) 2.4.10 and 25 is/are objected to. 8) ☐ Claim(s) 2.4.10 and 25 is/are objected to. 9) ☐ The drawing(s) filed			Khiem D Nguyen	2823	A			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Examinos for manybe available under the province of 3 CFR 1.35(q), in no event, however, may a reply be timely filed Examinos for manybe available under the province of 3 CFR 1.35(q), in no event, however, may a reply be timely filed If the period for reply specified above is less but thirty (30) days, a reply within the astuatory minimum of thirty (30) days will be considered timely. If the period for reply specified above is less but thirty (30) days, a reply within the astuatory minimum of thirty (30) days, will be considered timely. If the period for reply specified above is less but thirty (30) days, a reply within the astuatory minimum of the period of reply within the set or estendied period for reply with), and above, the maning date of this communication. Fallure to reply within the set or estendied period for reply with, provided the period of the second ABANDONED (30 U.S. 5, 133). Status 1) ☑ Responsive to communication(s) filed on 24 May 2004. 2a) ☑ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☑ Claim(s) 1.15 and 21.25 is/are pending in the application. 4a) ☑ If the above claim(s) is/are withdrawn from consideration. 5. ☑ Claim(s) 1.2.5 9.11-13 and 21.24 is/are allowed. 6) ☐ Claim(s) is/are objected to. 7. ☑ Claim(s) is/are objected to. 9. ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9. ☐ The specification is objected to by the Examiner. 10. ☑ The drawing(s) filed on 10 April 2001 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Application Papers 9. ☐ The specification is objected to by the Examiner. Note the attached Office Action or form PTO-	Period fo		ppears on the cover sheet w	th the correspondence addr	ess			
THE MAILING DATE OF THIS COMMUNICATION. Edatacious of time may be available under the proteins of 37 CPR 1.136(a). In ne event, however, may a reply be timely filled after 53/ (6) MONTHS from the mailing date of this communication. If the period for reply prefine the mailing date of this communication. If the period for reply prefine the mailing date of this communication. Failure to reply within the set or adended period for reply will by the statutory minimum of thirty (30) days will be considered from the mailing date of the communication to become ABANDONED (38 U.S. C. § 123). Any reply received by the Office attent then there mailing date of this communication, even if timely filled, may reduce any examely activate the statute of the communication to the communication. 1) ■ Responsive to communication(s) filled on 24 May 2004. 2a) ■ This action is FINAL. 2b) ■ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ■ Claim(s) 1.15 and 21-25 is/are pending in the application. 4a) □ of the above claim(s) ■ is/are withorawn from consideration. 5) ■ Claim(s) 1.25-9.11-15 and 21-24 is/are allowed. 6) □ Claim(s) 1.25-9.11-15 and 21-24 is/are allowed. 6) □ Claim(s) 3.410 and 25 is/are objected to. 8) □ Claim(s) 9.410 and 25 is/are objected to. 8) □ The specification is objected to by the Examiner. 10) ■ The drawing(s) filed on 10 April 2001 is/are: a) ■ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.55(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.55(a). 1 □ Certified copies of the priority documents have been r			DIVIS SET TO EXDIDE 2 M	ONTH(S) FROM				
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Application/Control Number: 09/824,933

Art Unit: 2823

DETAILED ACTION

Claim Objections

Claims 3, 10 and 25 are objected to because of the following informalities: In claims 3, 10 and 25, "helium, neon, argon, krypton and xenon" are not considered as dopant materials in semiconductor devices. Therefore, correction and omission of these terms are required (see interview summary and the attachments). Appropriate correction is required.

Allowable Subject Matter

Claims 1-2, 5-9, 11-15, and 21-24 are allowed.

Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Amendment and Arguments

Applicant's arguments filed May 24th, 2004 have been fully considered but they are not persuasive.

Applicant contends that Hattori et al. fails to disclose or suggest that the polysilicon should be doped and fails to disclose or suggest that doped polysilicon would perform any better as a gettering structure. Moreover, the Applicant states that there is no motivation in Yamaguchi et al. that can reasonably be contended to have motivated a person of ordinary skills in the art to use the doped polysilicon of Yamaguchi et al. as a substitute for the non-doped polysilicon of Hattori et al.

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In response to Applicant's contention that Hattori et al. fails to disclose or suggest that the polysilicon should be doped and fails to disclose or suggest that doped polysilicon would perform any better as a gettering structure and there is no motivation in Yamaguchi et al. that can reasonably be contended to have motivated a person of ordinary skills in the art to use the doped polysilicon of Yamaguchi et al. as a substitute for the non-doped polysilicon of Hattori et al., Examiner respectfully disagrees. Since allowable subject matter has been indicated to claims 1-2, 5-9, 11-15, and 21-24 in this Office Action, Applicant's argument is moot.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khiem D Nguyen whose telephone

number is (571) 272-1865. The examiner can normally be reached on Monday-Friday (8:00 AM - 5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on (571) 272-1855. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

K.N. September 2nd, 2004

W. DAVID COLEMAN PRIMARY EXAMINER